



PATENT APPLICATION  
Attorney's Do. No. 1138-710

*Handwritten notes:*  
C1  
fig. 13  
SEP 15 2000  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re divisional patent application of:

DAH WEN TSANG; JOHN W. MOSIER II, deceased;  
DOUGLAS A. PIKE, JR. and  
THEODORE O. MEYER

Examiner S. Core

Serial No. 09/144,579

Group Art Unit 2811

Filed: August 31, 1998

For: SELF ALIGNED VERTICAL POWER MOSFET WITH  
ENHANCED BASE REGION

Assistant Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS COR-  
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PATENTS, WASHINGTON D.C. 20231  
☐ ASSISTANT COMMISSIONER FOR  
TRADEMARKS, 2900 CRYSTAL DRIVE,  
ARLINGTON VA 22202-3513  
ON: *Sept 2000*

*Signature:* Peter Johnson

AMENDMENT

Responsive to the Office Action dated May 3, 2000, for which a one-month extension  
is requested on the attached transmittal letter, please amend the application as follows:

In the claims:

Please amend claims 31, 34, 36 and 39 as follows:

C1  
31. (First amendment) A recessed gate field effect power MOS device according to  
2 claim 34 including at least two of [said first trenches] spaced laterally apart with two of [said  
3 vertically oriented layers] of semiconductor substrate defining [a] said second trench between the  
4 first trenches, <sup>each of</sup> the first trenches containing the gate oxide layer and gate conductor, said source  
conductor extending into the second trench and contacting the vertically oriented layer on  
opposite sides [thereof] on the second trench.

C2  
fig. 13  
34. (First amendment) A recessed gate field effect power MOS device having a  
vertically oriented channel comprising:

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TC 2800 MAIL ROOM



2811 #  
PATENT APPLICATION  
Attorney's Do. No. 1138-71

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re divisional patent application of:

DAH WEN TSANG; JOHN W. MOSIER II, deceased;  
DOUGLAS A. PIKE, JR. and  
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Filed: August 31, 1998 Examiner S. Core  
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☐ ASSISTANT COMMISSIONER FOR TRADEMARKS, 2900 CRYSTAL DRIVE, ARLINGTON, VA 22202-3513

ON: 1 Sept 2000

Responsive to the Office Action dated May 3, 2000, enclosed is an amendment in the above-identified application.

The fee has been calculated as shown below.

CLAIMS AS AMENDED					
For:	Number After Amendment	Previous Number	Extra	Rate	Additional Fee
Total Claims	14	-20*	0	x \$9 =	\$0
Independent Claims	2	-3**	0	x \$39 =	\$0
Extension of Time - 1 <sup>st</sup>					\$55
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$55

\*greater of twenty (20) or number for which fee has been paid

\*\*greater of three (3) or number for which fee has been paid

- [x] Applicant petitions the Commissioner to extend the time for response. The extension fee is included and a duplicate copy of this form is enclosed.
- [x] A check for \$55 is enclosed.
- [x] Any deficiency or overpayment should be charged or credited to deposit account number 13-1703. A duplicate copy of this sheet is enclosed.

Customer No. 20575

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.

By

Alexander C. Johnson, Jr.  
Registration No. 29,396

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Dah Wen Tsang

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